



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**REGION 10**  
1200 Sixth Avenue  
Seattle, Washington 98101

**MEMORANDUM**

From: Michael Boykin, US EPA, Federal On-Scene Coordinator

To: Ms. Kristy Juairé  
United States Coast Guard,  
Marine Safety Lab  
1 Chelsea Street  
New London, CT 06320

Subj: REQUEST FOR OIL SPILL SAMPLE ANALYSIS AND STORAGE

Ms. Juairé:

I am writing to request United States Coast Guard (USCG), Marine Safety Laboratory (MSL) support for hydrocarbon forensic analysis (fingerprinting) of samples collected at an Environmental Protection Agency (EPA) Region 10 site. Please find more information regarding this request below.

1. Total number of samples: **19 (5 product, 2 soil, 10 groundwater)** The submission may include **extracted materials from other laboratories if available.**
2. Type of Service:
  - ☐ REGULAR (Results available in 3-5 business days)
  - ☒ **PRIORITY (Expedited analysis, results available in 1-2 business days)**
  - ☐ RUSH (Results available ASAP. \*Contact MSL directly for special arrangements)
3. Type of Investigation:
  - ☒ **CIVIL**
  - ☐ CRIMINAL
4. Type of Analysis (Use line 8 for more specific instructions):
  - ☒ **Comparison of samples**
  - ☐ Comparison of samples to previously run CG MSL case number: \_\_\_\_\_.
  - ☐ ID Only: Provide 'fingerprint' characteristics of each sample without comparing.
  - ☐ Prep Only: Prepare samples and store/preserve for potential future analysis.
5. MISLE Incident Investigation Activity number: **Not Applicable**
6. Federal Project Number (FPN) if applicable: **Not Applicable**
7. Point of Contact: **Michael Boykin, Phone: (206) 553- 6362 / E-mail: [boykin.michael@epa.gov](mailto:boykin.michael@epa.gov)**  
Second POC: Richard Franklin, 503-326-2917/Email; [franklin.richard@epa.gov](mailto:franklin.richard@epa.gov)



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8. Additional sample information (optional): \_\_\_\_\_

The purpose of the EPA investigation is to determine whether or not contamination found in environmental samples is derived from the same source as the product samples and to determine an approximate timeframe in which the contamination was introduced into the environment.

It is our understanding that the MSL can analyze these samples to determine the presence or absence of oil; estimate the degree of weathering, and; conduct fingerprinting tests to determine if the product samples and contamination found in environmental samples are derived from the same source. These analyses would utilize one or more of the following:

- ASTM D3328 (GC/FID) for gasoline for fingerprint, n-Alkanes, Isoprenoids, TPH; and,
- ASTM 5739 (MS SIM) for diesel for MAHs and PAHs (biomarkers).

Please get in touch if you have any questions or concerns.

Sincerely,

A handwritten signature in black ink, which appears to read "Michael Boykin". The signature is fluid and cursive, with a long horizontal stroke at the end.

Michael Boykin, Federal On-Scene Coordinator  
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